PEMACO DELAY HOUR AND COST SUMMARY

Date		QC Report Summary	TN&A Subs Delay (Hr)	TN&A Subs Cost	TN&A Field Personnel Delay (Hr)	TN&A Field Personnel Cost	TN&A Management Delay (Hr)	TN&A Management Cost	Comment
9/19/2006	TUE	1. Fabricated grate anchoring system (frame) for trench drain/sump scheduled to be delivered today, did not arrive.							Proposed grate anchoring system delivery date.
9/20/2006	WED	1. Fabricated frame for trench drain/sump scheduled did not arrive. Rescheduled first concrete pour, for the drainage trench, to Friday 9/22/06. Rescheduled Twining Labs Concrete Testing to 9/22/06.							Proposed grate anchoring system installation date.
9/21/2006	THU	1. Pre-fabricated grate anchoring system (frame) for trench drain/sump area arrived on site at 1030 hours~. The unit was sent back as it was not fabricated as designed. 2. Due to problem with grate anchoring system (frame) not being acceptable for installation decision by SQ to cancel concrete pour scheduled for Friday 9/22/06. Mark Prostko cancelled Twining Labs concrete inspector until further notice.							TN&A gave SQ an extra day to solve the grate anchoring system problem.
9/22/2006	FRI	No work on 9/22/2006 due to delay of grate anchoring system (frame).							
9/25/2006	MON	1. Pre-fabricated grate anchoring system (frame) arrived on site at 1150 hours. 2. JMC asked SQ to have the pieces put together first, then they will install. 3. Waiting from 0830 hours to 1150 hours for prefabricated angle for grate. At 1315 hours JMC and SQ shut down for the day.			4.0	$310.68	1.0	$107.50	
9/26/2006	TUE	1. JMC working on the forms for the railings for the trench drain sump area. Installation of the fabricated steel angle anchors (frame) for the trench drain/sump grate is 90% completed. 2. Will finish Wednesday (9/27/2006) and prepare for concrete pour #1 scheduled for Thursday (9/28/2006).			4.0	$310.68	1.0	$107.50	
9/27/2006	WED	1. The frame anchoring angles need to be welded and the forms reset. Forms are on the outside edge of the angles and must be put on the inside edge for proper function. 2. JMC advised SQ to get the unit welded then they can resume work. 3. SQ called a welder from Pomona and is awaiting arrival to the site late morning. Welder from AAA arrives at 1105 hours. 4. MP called Twining Labs to reschedule concrete testing for Friday 9/29/2006. On standby for concrete pour.			4.0	$310.68	1.0	$107.50	
9/28/2006	THU	1. JMC re-setting the forms for the angle anchors for the frame. Forms are being placed on the inside of the angle. 2. TN&A was advised at 0730 AM that the concrete truck for Friday 9/29/06 is not available. 3. Concrete pours scheduled this week have been cancelled due to continued problems with the installation of the pre-fabricated steel angles for the frame anchors. 4. SQ has been released from the project as of 9/28/06.					1.0	$107.50	
9/29/2006	FRI	No work performed. Lost day of productivity.			4.0	$310.68			
10/2/2006	MON	No work performed. Contracting with new contractor.							
10/3/2006	TUE	No work performed. Contracting with new contractor.							
10/4/2006	WED	No work performed. Contracting with new contractor.							
10/5/2006	THU	No work performed. Contracting with new contractor.							
10/6/2006	FRI	No work performed. Contracting with new contractor.							
10/9/2006	MON	1. New contractor onsite.							
10/10/2006	TUE	1. New contractor made final preparations for concrete pours scheduled on 10/12/2006. 2. Adjusted rebar, trench drain/sump area, forms, and anchor bolts.	4.0	$203.00	1.0	$77.67	1.0	$107.50	
10/11/2006	WED	1. New contractor made final preparations for concrete pours scheduled on 10/12/2006. 2. Adjusted rebar, trench drain/sump area, forms, and anchor bolts.	4.0	$203.00	1.0	$77.67			
10/12/2006	THU	1. Poured concrete.							
10/18/2006	WED	1. Steel grates delivered onsite. Modifications to make the grates fit will be required.							
10/20/2006	FRI	1. New contractor worked on fitting/grinding down the galvanized steel grates into the steel angles. 2. Grate for trench drain/sump requires field modifications to make the sections flush with the concrete floor. One to two days of labor with 1-2 men, a power grinder, and chop saw used.	5.0	$253.75	4.0	$310.68	1.0	$107.50	
10/23/2006	MON	1. MP supervised the field modifications to the grates. 2. Continued to work on fitting/grinding down the galvanized steel grates into the steel angles. One man worked on the grate from 0730 to 1130 hours. Two men worked on the grate from 1130 hours to 1630 hours. Grate has been corrected (75% to completion)	14.0	$710.50	4.0	$310.68	1.0	$107.50	
10/25/2006	WED	1. One work crew begins working on completion of grate modifications (One man 8 hours and one man 5 hours). 95% completion of corrective action	13.0	$659.75	4.0	$310.68			
10/27/2006	FRI	1. Grinding complete. 2. Total of three+ days of labor to date with 1-2 men and a power grinder and chop saw used.	8.0	$406.00	4.0	$310.68			
		TOTAL	**48.0**	**$2,436.00**	**34.0**	**$2,640.78**	**7.0**	**$752.50**	

TOTAL DELAY COST	$5,829.28

Cost Assumption:

1. Hourly Cost for TN&A Subs: Supervision - $75.00, Labor - $50.75
2. Hourly Cost for Management: Project Engineer - $107.50, Field Manager - $77.67